

*Columbia*  
VENETIAN BLINDS  
AND  
WINDOW SHADES

THE *Columbia* MILLS  
INCORPORATED  
225 FIFTH AVENUE, NEW YORK



# THE COLUMBIA MILLS, INC.

225 Fifth Avenue, NEW YORK, N. Y.

## BRANCH OFFICES

BALTIMORE  
BOSTON  
CHICAGO

CINCINNATI  
CLEVELAND  
DALLAS  
SAN FRANCISCO

DENVER  
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FRESNO

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NEW ORLEANS  
NEW YORK  
PHILADELPHIA  
SPOKANE

PITTSBURGH  
PORTLAND  
ST. LOUIS

## PRODUCTS

COLUMBIA PERFECTED VENETIAN BLINDS: De Luxe, Standard

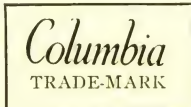
COLUMBIA SHADE CLOTHS: Niagara Washable-Waterproof, Crescent-Tint, Damasko Hevi-Duty, Vellmo Light-Proof.

COLUMBIA GUARANTEED SHADE ROLLERS: Wood and Metal.

COLUMBIA AWNING ROLLERS.

## SALES CHANNELS

**Venetian Blinds**—Because of the extreme care with which Venetian Blinds should be installed and the necessity of experience in order to best meet the wishes of Architects, Authorized Dealers have been appointed by Columbia Mills in various territories, whose duty it is to co-operate with the profession in planning installations. The name of the nearest Authorized Dealer in your territory will be furnished on request. His services can be fully relied upon, and will meet with your approval.



**Window Shades and Rollers**—Columbia Window Shades and Rollers are obtainable in specialty window shade shops, reliable department stores, at decorators, and at house furnishings stores all over the country, so that there is never any difficulty whatsoever in obtaining replacements, regardless of who makes the original installation.

## ARCHITECTURAL SERVICE DEPARTMENT

Columbia Architectural Service Department will submit samples of Venetian Blinds, shade cloth, and rollers on request. Architects are invited to avail themselves of Columbia's engineering service. An experienced man will gladly assist you in solving your blind and shading problems and in the preparation of specifications. Each one of our branches throughout the country has an architectural service department. Through this department you may be assisted in the selection of the proper type of window treatment, and be recommended to reliable dealers to supply your needs.

## A FEW NOTABLE INSTALLATIONS

### VENETIAN BLINDS

Title Guarantee & Trust Co., Los Angeles, Calif.  
Tudor City, New York, N. Y.  
Brooklyn Borough Gas Co., Brooklyn, N. Y.  
Courthouse, Batavia, New York  
American Insurance Building, Newark, N. J.  
Albany Office Building, Albany, N. Y.  
Courier Express Building, Buffalo, N. Y.  
Holy Child of Jesus Rectory, Richmond Hill, N. Y.  
General Fireproofing Co., New York, N. Y.  
International Business Machine Corp., New York, N. Y.  
Garret A. Hobart Residence, Paterson, N. J.  
W. A. Walsh Residence, Cedarhurst, L. I., N. Y.  
A. J. Drexel Biddle, Jr., Fuller Building, New York, N. Y.  
Schenectady City Hall, Schenectady, N. Y.

### WINDOW SHADES

Ventura Senior High School, Ventura, Calif.  
National Bank of Commerce, Los Angeles, Calif.  
Robertson Building, Beverly Hills, Calif.  
Consolidated Bank Building, Tucson, Ariz.  
Commerce High School, Portland, Ore.  
Lexington Hotel, New York, N. Y.  
Chimes Building, Syracuse, N. Y.  
Courthouse, Brooklyn, N. Y.  
Long Island College Hospital, Brooklyn, N. Y.  
St. Peters Hospital, New Brunswick, N. Y.  
Governor Clinton Hotel, New York, N. Y.  
Psychiatric Institute, New York, N. Y.  
High School, Granville, N. Y.  
Bronx County Courthouse, Bronx, N. Y.



Installation of Columbia Venetian Blinds,  
Mutual Plate Glass Institute,  
Shelby, Ohio



Installation of Columbia Venetian Blind,  
Van Nes and Stacy, 136 E. 57th Street,  
New York, N. Y.



## COLUMBIA VENETIAN BLINDS

COLUMBIA PERFECTED  
VENETIAN BLINDS

Columbia Perfected Venetian Blinds are the result of research by illuminating engineers and Columbia designers to provide control of light without loss of ventilation for rooms equipped with any type window. Columbia blinds permit full or partial daylight without impairment of ventilation. In a recent test with these blinds, it was found possible to increase the natural daylight in the darker portion of a room from 100 to 130 percent, without subjecting the areas close to the windows to overlighting.

Columbia Perfected Blinds make possible the following features: seclusion combined with regulated light; simplicity plus elegance; illumination of the darker portions of the room by scientific direction and reflection of the light. They eliminate the need for awnings, and are designed to give years of service at a negligible upkeep cost.

There are two types of Columbia blinds: the De Luxe and the Standard.

## COLUMBIA DE LUXE BLIND

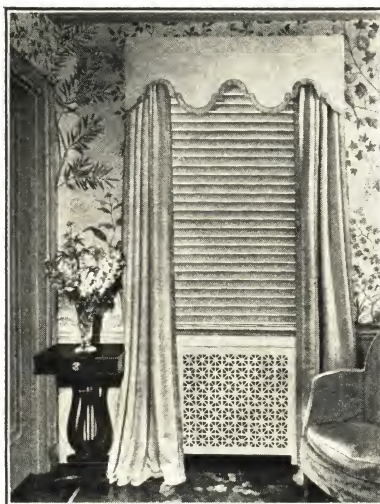
Columbia De Luxe Venetian Blinds have been designed to combine mechanical excellence with beautiful appearance. They embody many special features that render them adaptable for all purposes where blinds of the highest quality are demanded.

All slats are made from the best Port Orford white cedar. They will not warp out of shape even after years of continuous usage.

One of the exclusive features of the De Luxe blind is the Tilt Control Device, perfected by Columbia engineers. It is a ratchet type, and enables the slats to be set easily at any angle, and it holds them securely in place. Once set, they cannot be jarred out of position by wind or vibration.

Another special feature is the Columbia method of hanging the blind, whereby it can easily be removed and replaced when desired without the use of special tools. This is made possible by the use of brackets supplied with each blind.

The tapes used are of a high grade imported fabric, and the cross strips are woven directly into the tapes, insuring added strength and durability.

Columbia  
PERFECTED  
VENETIAN BLINDS

Installation of Pulley Operated  
Columbia Venetian Blind

Where wind pressure might cause blinds to sway, guides are installed with slide brackets on every twelfth slat and bottom rail. Where conditions demand it, such as plaster embrasures, we install metal or wood backing strips  $\frac{5}{8}$  in. wide to which channel guides are applied.

Columbia De Luxe Blinds are finished with Tudor Lacquer semi-gloss Velvet Finish in the following standard colors: Ivory, Gray, Apple-green, Natural, Green, and Tan. Special colors may be made up, if desired. Duplex colors (different color on each side of slat) may also be furnished.

## COLUMBIA STANDARD BLIND

Columbia Standard Venetian Blinds are particularly suitable for windows of small or medium size where a practical but less expensive blind than the De Luxe type is desired.

While not possessing many of the features of the De Luxe, it nevertheless will render long and trouble-free service.

The slats are tilted at any angle by means of a friction locking device which keeps the slats firmly set in any desired position. The tapes are made from a high grade domestic fabric.

For the larger sizes, center supports prevent the head rail from sagging or warping, and guide rails are installed when warranted by wind pressure.

The Standard blind is available in the same range of colors as the De Luxe blind.

## OPERATION

Columbia De Luxe and Standard Blinds are made in three types: Pulley Operated, Roller Operated, and Mechanically Operated.

**Pulley Operated**—Recommended for small windows, up to 80 sq. ft. The pulley operated type is also made with compound operation (extra tapes, lifting cords and pulleys for easy operation) where the size demands.

**Roller Operated**—Recommended for blinds of large size up to 120 sq. ft.

**Mechanically Operated**—Should be used on unusually large windows whose area is 120 sq. ft. or over.

## INSTALLATION

Columbia Venetian Blinds may be installed at any type window, either inside or outside of the window opening. (See Page 5.)

## SPECIFICATIONS FOR DE LUXE PULLEY TYPE VENETIAN BLINDS

Venetian Blind Specification for.....(name)  
Building .....(address)

**General**—All Venetian Blinds called for in these specifications and shown on plans or drawings shall be manufactured by THE COLUMBIA MILLS, INC., 225 Fifth Avenue, New York, N. Y. Only first quality materials shall be used, assembled in a workmanlike manner throughout to conform with the following specifications:

**Brand**—Blinds to be furnished under these specifications shall be the Columbia "De Luxe" Pulley Type.

**Operation**—Blinds up to 35 sq. ft. shall be regular pulley type assembly end lift (front pull optional) raising cords, operating over double-race ball-bearing pulleys on steel shafts. Blinds less than 35 sq. ft. made single pull. Blinds 35 sq. ft. and over are made compound pull. (For openings over 80 sq. ft. Roller or Mechanical operation is recommended—see note).

**Head Rail**—Shall be  $2\frac{1}{4}$  in. wide by  $1\frac{1}{8}$  in. thick, exposed edges to be thoroughly sanded and rounded. Cord and pulley routings to be clean cut allowing sufficient clearance for free action of cords and pulleys.

**Tilt Rail**—Shall be clear well-seasoned Port Orford Cedar  $2\frac{1}{2}$  in. wide by  $\frac{3}{8}$  in. thick with exposed edges rounded and Cord slots shall be clean cut  $1\frac{1}{8}$  in. long by  $\frac{1}{8}$  in. wide.

**Slats**—Shall be of uniform size  $2\frac{3}{8}$  in. wide and  $\frac{1}{8}$  in. thick made of clear Port Orford White Cedar, free from pin knots, machine marks, etc. Cord slots shall be clean cut, without fractured edges, not over  $\frac{1}{4}$  in. wide slot. Ends and cord mortises shall be thoroughly finished with lacquer.

**Bottom Rails**—(Blinds less than 35 sq. ft.) Shall be clear Port Orford White Cedar  $2\frac{1}{2}$  in. wide by  $\frac{3}{8}$  in. thick, edges thoroughly sanded and rounded. Recesses to be provided for knotting of lift cords.

**Bottom Rails**—(Blinds 35 sq. ft. and over) Shall be clear Port Orford

White Cedar  $2\frac{1}{4}$  in. wide by  $1\frac{1}{8}$  in. thick. Under side to be recessed for cords and ball-bearing pulleys.

**Hardware**—All hardware to be steel electro copper plated or solid bronze. (Can be finished same color as blind).

**Brackets**—All blinds shall be hung on Columbia Universal Patented snap-lock brackets, to enable removal of blinds for cleaning etc.

**Tilt-Lock**—All blinds shall be equipped with Columbia positive stop ratchet tilt device allowing at least eleven adjustments of slats and insuring smooth and quiet operation of blind by use of tilt cords.

**Center Supports**—Blinds over 43 in. in width shall be equipped with heavy steel center supports to eliminate possibility of sagging or warping. To be of a design to allow full angle of tilt in either direction without interfering with slats.

**Finish**—All head-rails, tilt-rails, slats and bottom bars including end and cord slots shall be finished with pyroxylin base lacquer, to produce a semi-gloss velvet finish. Color to be selected from Columbia color line. (Special colors and finishes can be furnished).

**Tapes**—Shall be first quality imported with cross straps interwoven, free from defects in warp, woof or weaving. Color to be neutral drab. Tapes shall be spaced not less than  $4\frac{1}{2}$  in. or over 7 in. from ends of slats, intermediate tapes spaced not more than 28 in. on centers.

**Cords**—All cords shall be first quality  $\frac{1}{2}$  hollow braided and glazed to minimize wear. They shall be of sufficient length to properly control the tilting and raising of the blind from the floor.

**Installation**—To be made in a thoroughly workmanlike manner in accordance with manufacturer's standards and to be subject to inspection and approval of manufacturer's and architect's representative.

Note: Specifications for the roller and mechanically operated blinds, and for the Columbia Standard Blind may be had upon request.



Universal Brackets. Brackets may be attached either inside or outside of casing. Head rail of the blind slips into brackets and locks itself there. Instantly removable by finger pressure on retaining guard.

Bracket installed for inside "A" and "B" style hanging.

Bracket installed for outside "C" style hanging.

Pulleys. Free action pulleys insure easy raising and lowering of the blinds.

Spring Gear Tilt-Lock. Automatically locks the slats at any angle. Lock automatically releases when cord is pulled to readjust angle of slats.

Anti-Sag Center Support. Used on the wider Columbia Blinds to eliminate all possibility of sagging or warping. Gives extra support at center of head rail without interfering with tilting of slats.

Slider Guides. An optional feature to prevent billowing or swaying of blind in the wind.

Tilting Cord. Easy to grip. Lifting and tilting cords are of Columbia glazed hollow tube cord.

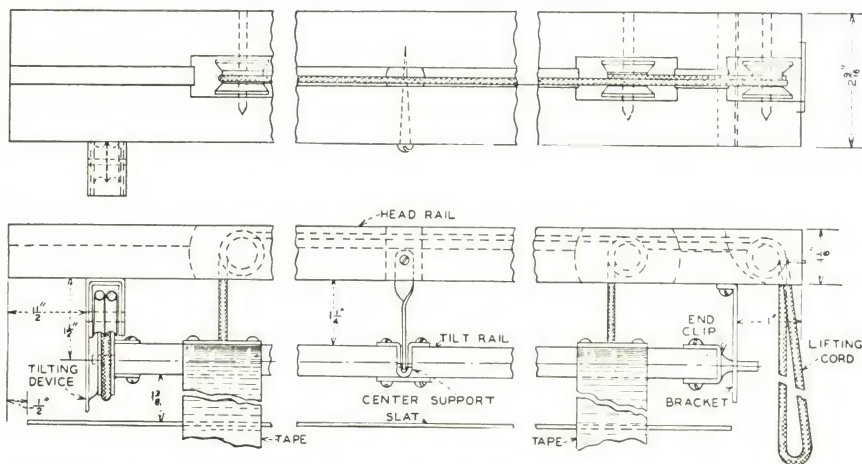
Tilt Rail End Clip. Reinforces the end of tilt rail against splitting, and holds gudgeon always firmly in place at pivotal center of tilt rail.

Imported Tape. Specially woven tape. Cross tabs are woven directly into vertical tapes.

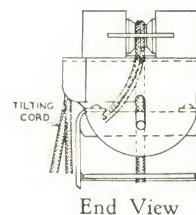
Equalizer. This simple device keeps lifting cords uniform and insures even raising and lowering of the blind.

Cord Holder. Holds blinds securely in any position. Adapter plate finished to match color of the blind is furnished where necessary.

### DETAILS OF HEAD RAIL SHOWING PULLEY OPERATION

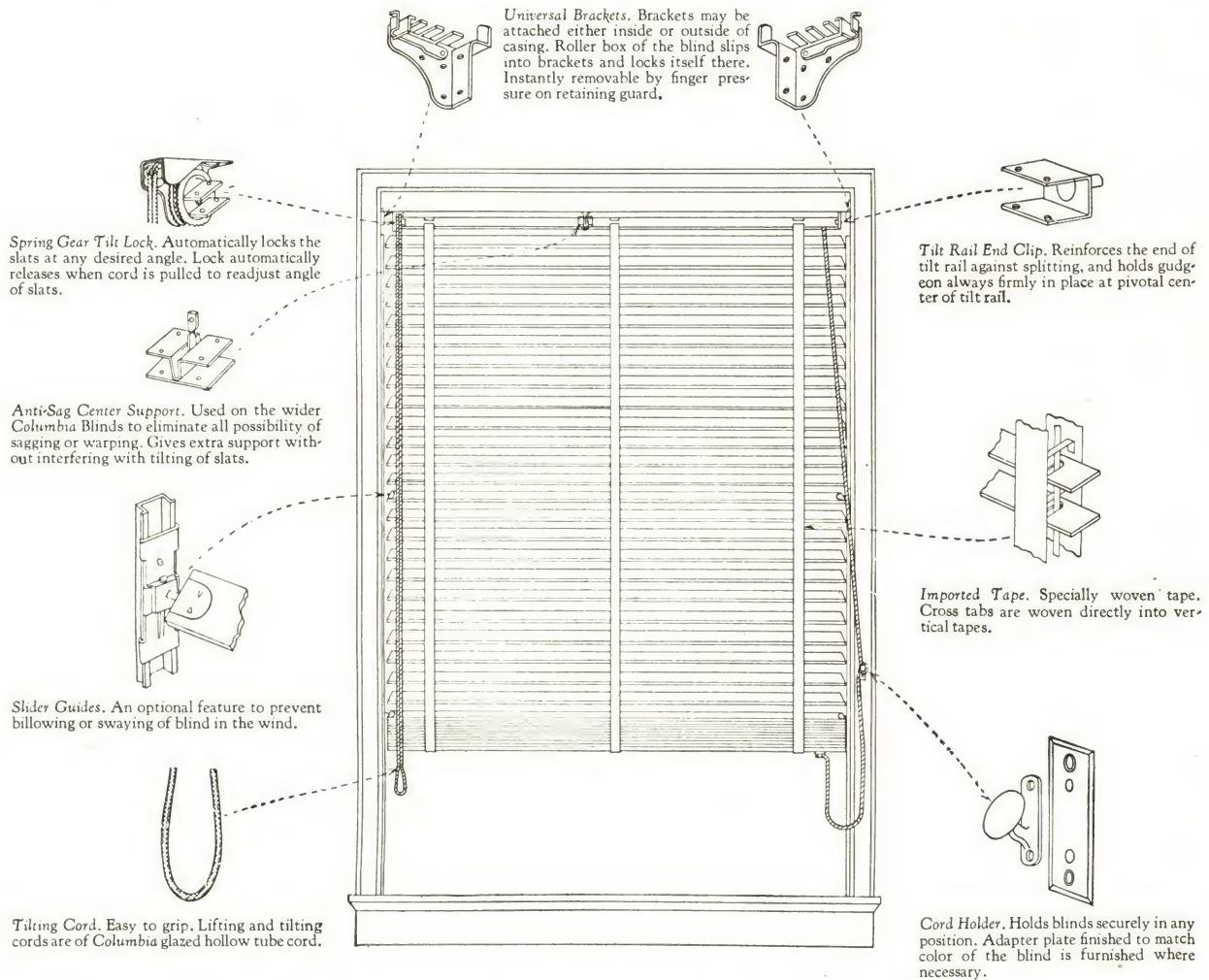


**Application**—The Pulley Operated Blind is recommended for window openings up to 80 sq. ft. in area. (Limit 12 ft. in height.) The Pulley Operated Type is made in Single and Compound Pull, Compound Pull being used on blinds over 35 sq. ft. or 70 in. wide and wider.



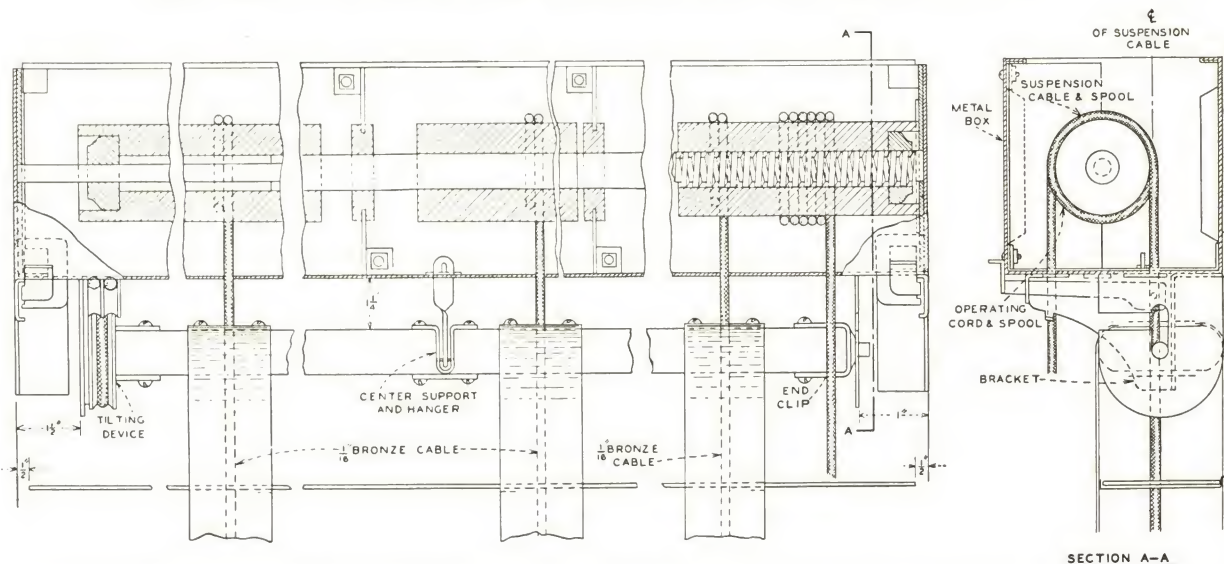
End View

### DETAILS OF COLUMBIA VENETIAN BLINDS—DE LUXE PULLEY OPERATED



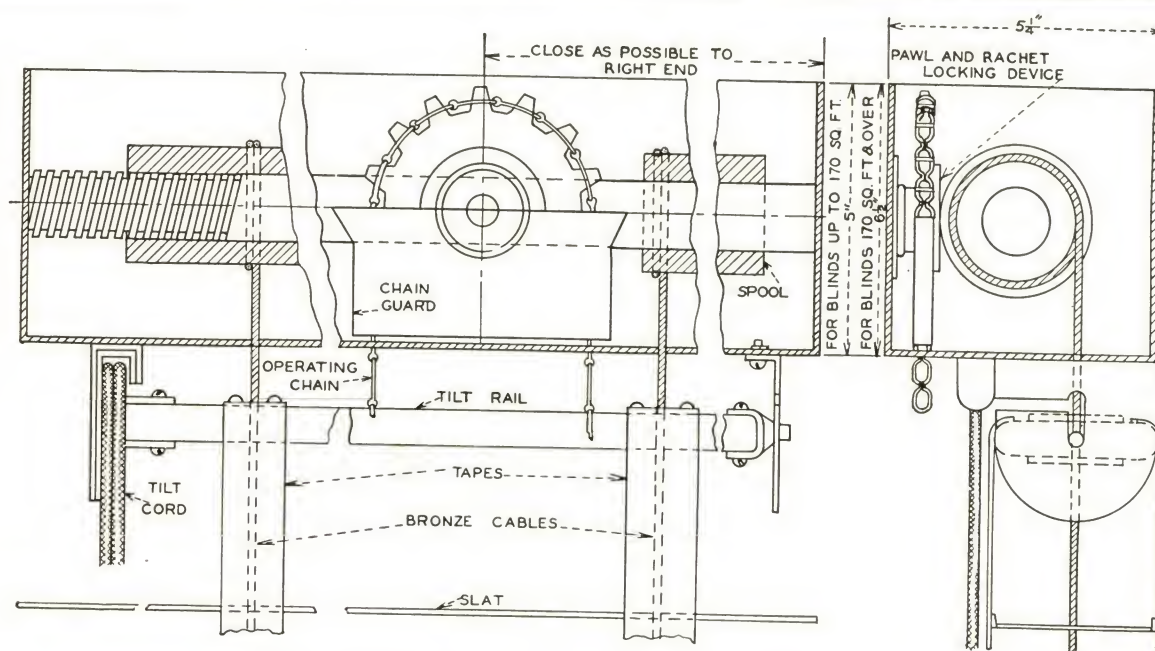
#### DETAILS OF ROLLER BOX AND TILT RAIL SHOWING OPERATION

**Application**—The Roller Operated Blind may be used for any size window, but its ease of operation makes it particularly suitable for blinds of large area. It is generally used in connection with blinds from 80 to 120 sq. ft. On usually large blinds, generally over 120 sq. ft., the Roller Lift is usually equipped with Mechanical Operation, details of which will be found on the next page. Both types are available in the De Luxe and Standard Blind.

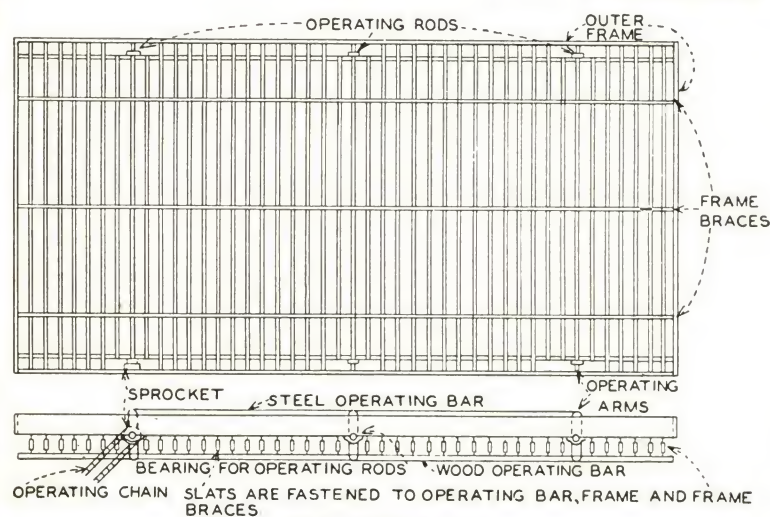


#### DETAILS OF COLUMBIA VENETIAN BLINDS—DE LUXE ROLLER OPERATED





ROLLER TYPE WITH MECHANICAL LIFT OPERATION



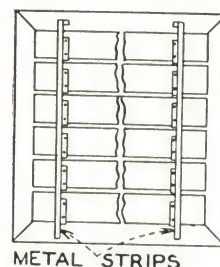
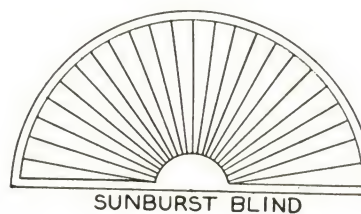
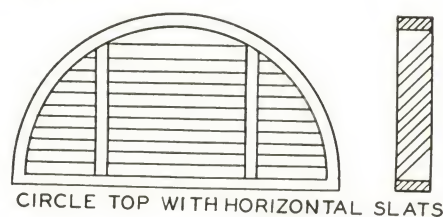
SKYLIGHT BLIND

## INSTALLATION DATA

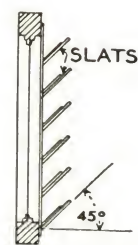
Type	Bundle space, in.	Width of pocket, in.
Pulley		
Roller No. 1 Blinds up to 40 sq. ft.	$3\frac{3}{4}$ plus $1\frac{1}{4}$ for each foot in height of window opening	$4\frac{1}{2}$
Roller No. 2 Blinds up to 80 sq. ft.	$3\frac{5}{8}$ plus $1\frac{1}{4}$ for each foot in height of window opening	$4\frac{1}{2}$
Roller No. 3 Blinds up to 120 sq. ft.	$4\frac{1}{8}$ plus $1\frac{1}{4}$ for each foot in height of window opening	$4\frac{1}{2}$
Roller No. 4 Blinds over 120 sq. ft.	$4\frac{7}{8}$ plus $1\frac{1}{4}$ for each foot in height of window opening	$4\frac{3}{4}$
Mechanically operated Blinds up to 170 sq. ft.	$6\frac{1}{2}$ plus $1\frac{1}{4}$ for each foot in height of window opening	$5\frac{1}{2}$
Mechanically operated Blinds up to 225 sq. ft.	8 plus $1\frac{1}{4}$ for each foot in height of opening	$6\frac{3}{8}$

Columbia Perfected Venetian Blinds can be successfully installed at any window. Pivot sash, casement, circle-top or any special type of window offer no obstacle. Plans and details for any particular installation will be furnished on request.

**Bundle Space**—The space occupied by the blind when fully raised. The most satisfactory method of installing Venetian blinds is to allow for a pocket above the window so that the blind is completely concealed when raised. Table at left gives data for figuring size of pockets. Where it is not practical to construct pockets, the bundle space shows how high blinds should be hung above the opening, if installed on the casing, to clear window entirely when raised. It will also show how much light will be cut off if the blind is hung between jambs.

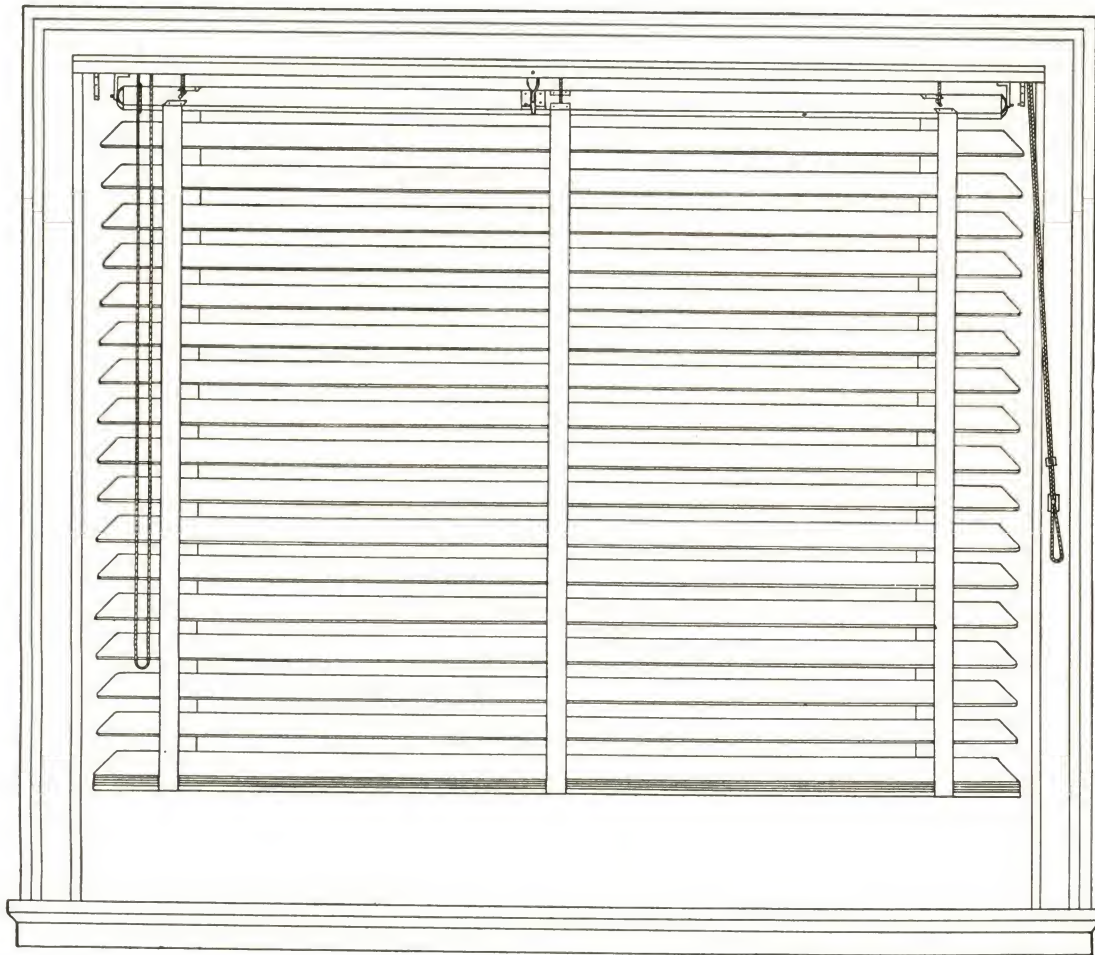


TRANSOM BLIND



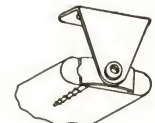
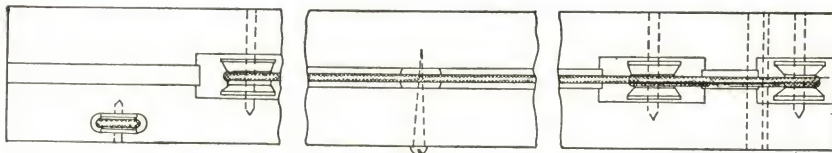
ARMS PROJECTING FROM METAL STRIPS ON 45° ANGLE AND FASTENED WITH RIVETS.

## DETAILS OF COLUMBIA VENETIAN BLINDS

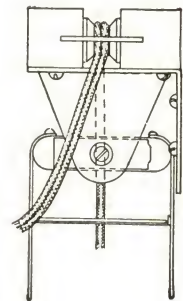
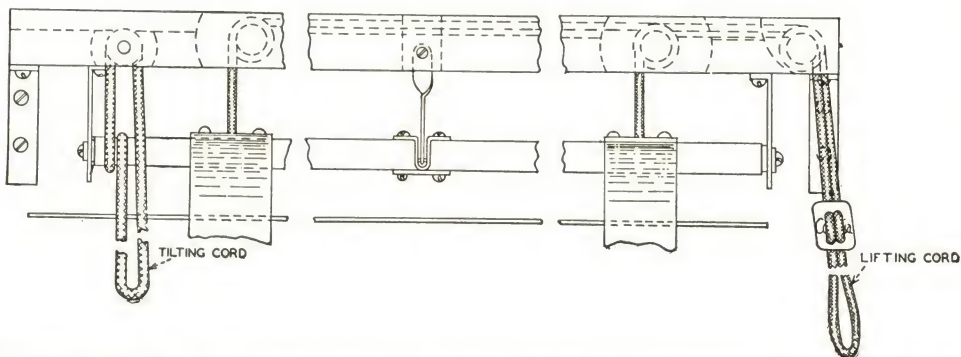


### DETAILS OF HEAD RAIL SHOWING PULLEY OPERATION

**Application**—The Pulley Operated Blind is recommended for window openings up to 80 sq. ft. in area. (Limit 12 ft. in height.) It is made in Single and Compound Pull, Compound Pull being used on blinds over 35 sq. ft. or 70 in. wide and wider.



TILTING ASSEMBLY



### DETAILS OF COLUMBIA VENETIAN BLINDS—STANDARD PULLEY OPERATION



# COLUMBIA SHADE CLOTH

## NIAGARA—DAMASKO HEVI-DUTY—CRESCENT-TINT—VELLMO

(Specifications will be found on page 10)

### COLUMBIA SHADE CLOTHS

Columbia Shade Cloth is manufactured in several grades, each grade for a particular service. On the following pages will be found actual samples of each of the following grades: Niagara washable-waterproof; Crescent-Tint; Damasko Hevi-Duty; Vellmo, light-proof.

### COLORS

Columbia Niagara is made in the following tone colors: Egg Shell White, Parchment, Chamois, Persian Gold, Peachskin, Plaza Gray, Strained Honey, Circassian Brown, Hunter Green, Canton Jade. Also made in duplex combinations (different color on each side): Meadowbrook (dark green and white), Frontenac (dark green and light ecru).

Crescent-Tint, Damasko, Hevi-Duty, and Vellmo are also obtainable in the above colors in addition to many other standard colors.

Special colors for these three grades are available if desired. Sample books will be furnished on request.

### SHADE ACCESSORIES

Brackets for any type of installation can be furnished. For detailed information refer to the Columbia Roller Catalogue, which will be furnished upon request.



Installation of three common brackets

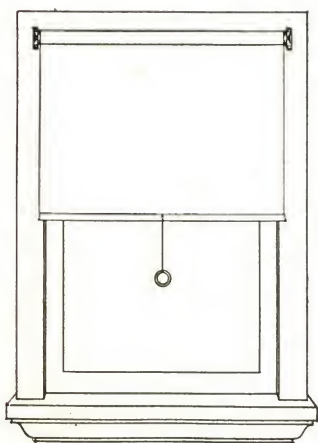
### INSTALLATION

Columbia Shades may be installed at any type of window opening, including all types of casement windows.

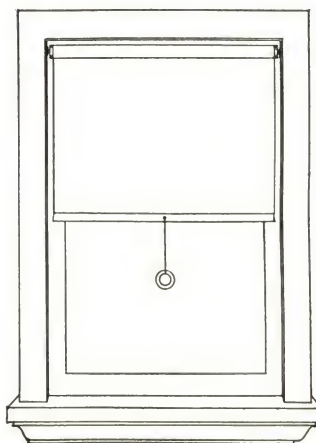
Information regarding any particular situation will be furnished through our Architectural Department.

The illustrations below indicate the most widely used types of window openings and the manner in which the shades are installed.

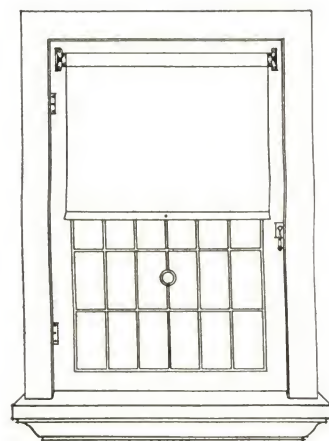
### INSTALLATION SUGGESTIONS



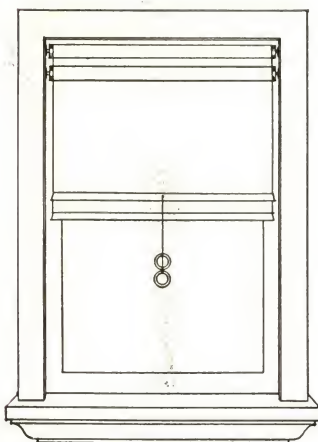
Outside hung. Brackets fastened to the face of the casing



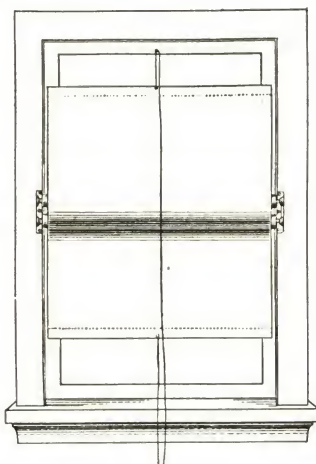
Inside hung. Brackets fastened to the inside of the casing



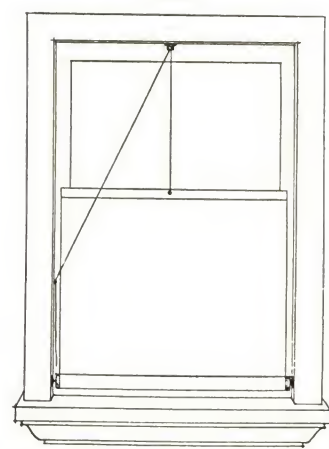
Casement hung. Brackets fastened to top rail of casement sash



Two shades hung on the inside of the casing



Double Hung Installation. One shade pulls up and the other down. May be inside or outside the casing



Bottom-up Installation. Inside or outside with stop pulley



*Columbia***NIAGARA****WASHABLE-WATERPROOF****COLOR - PARCHMENT**

**Niagara**—A washable, waterproof shading of the finest quality. Its translucent, warm, clear colors, and velvety texture combined with the fact that it can be easily washed without injury to finish, shape or texture, make it a beautiful as well as economical window shade. It hangs flat and will not stretch; it will not crack, show pinholes, or flake, even after numerous washings. The

high quality of this shading is preserved indefinitely at an extremely low maintenance cost. Its washability insures the permanence of its beauty.

It may be used for all purposes where a high grade, durable, and attractive shade is desired. It is especially recommended for residences, and for apartments, hotels, schools, and other public buildings. Width to 72 inches.

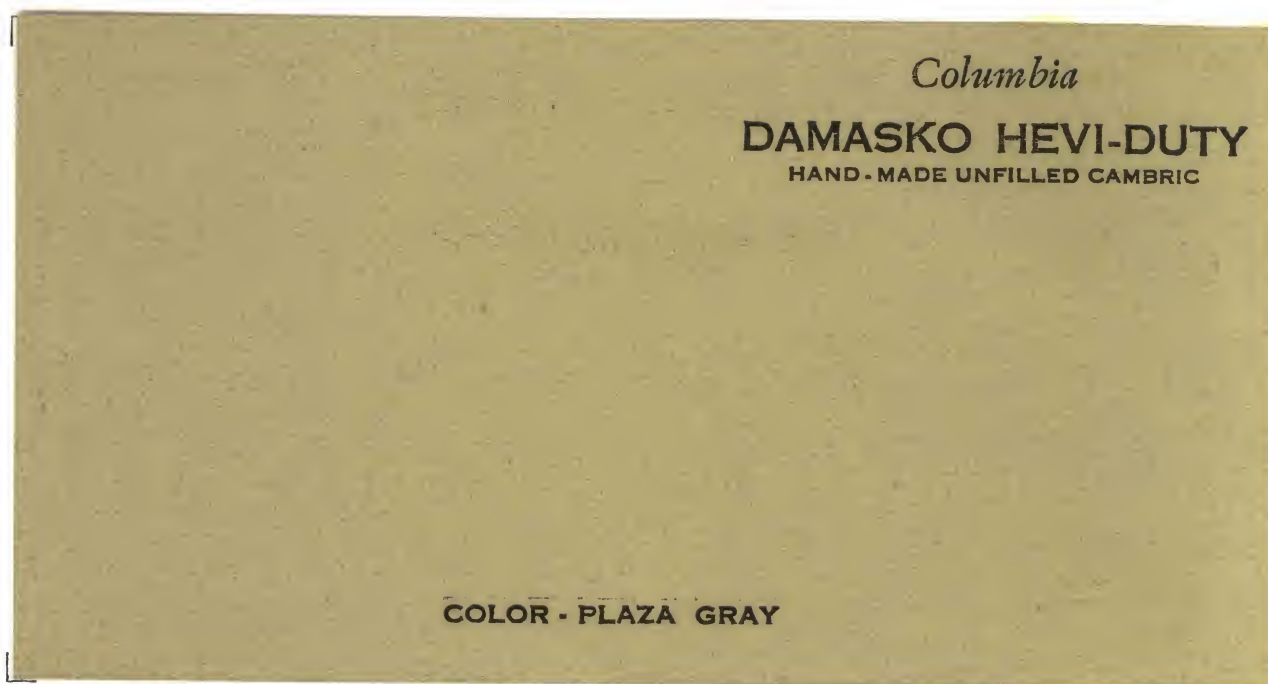
*Columbia***CRESCENT****HAND-MADE UNFILLED  
TINTED CAMBRIC****COLOR - PEACHSKIN**

**Crescent-Tint**—An unfilled, tinted cambric. The base is a 72x80-count cambric of the highest quality, made especially for the purpose. It is sized and painted by hand. Being translucent, it allows the sunlight to

filter through it, toned into warm, soft colors. It is weatherproof, cleanable, and will not crack or show pinholes. It is recommended for fine public buildings and for private homes. Width to 150 inches.

**QUALITY SAMPLES OF COLUMBIA SHADE CLOTH**

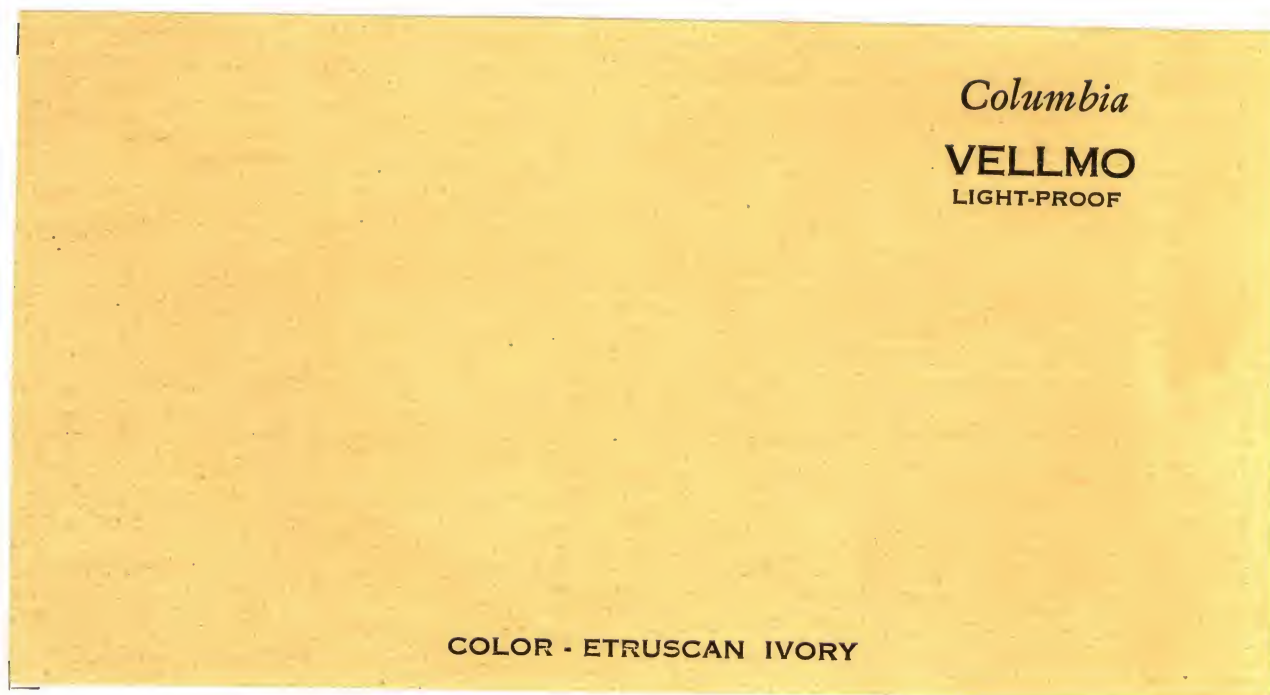




**Damasko Hevi-Duty Cambric**—Made from the same base as *Columbia Crescent-Tint*, a highest grade, 72x80-count cambric. Like *Crescent*, it is hand sized and painted, but it is opaque and heavier in weight. This quality renders it especially appropriate for withstanding

continuous hard usage. It will not crack or show pinholes.

Recommended for schools, office buildings, hospitals, and any other place where a heavy duty shade is necessary. Width to 150 inches.



**Vellmo (Light-proof)**—This shading will completely exclude light without the sacrifice of color scheme, and is a light-proof shade of real beauty. Where complete exclu-

sion of light is essential Vellmo is recommended. It is ideally adapted for use in dark rooms, X-ray rooms, and auditoriums where pictures are shown. Width to 150 ins.

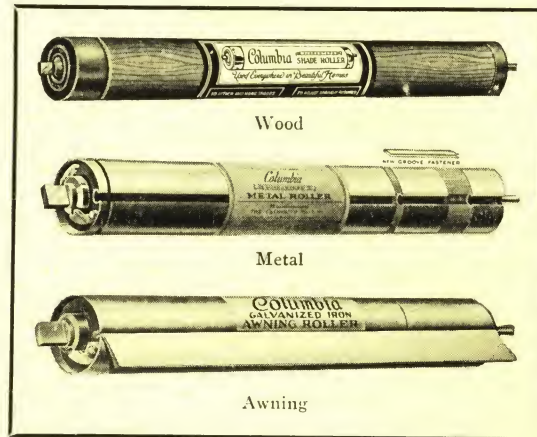
QUALITY SAMPLES OF COLUMBIA SHADE CLOTH



# COLUMBIA SHADE ROLLERS AND AWNING ROLLERS

## COLUMBIA GUARANTEED WOOD ROLLERS

Columbia Full Round Wood Rollers are made from carefully selected, well-seasoned, kiln-dried white pine, and are fitted with nickel-plated brass ends which are absolutely rustproof. Extra weight springs give more than ample lifting power and have great reserve strength. Special semi-closed end construction protects the pawls from dust, moisture, and ravellings. They are made in standard sizes of  $\frac{1}{8}$  in. to  $1\frac{1}{4}$  in. in diameter and 18 in. to 6 ft. in length.



Columbia Rollers

## COLUMBIA GUARANTEED METAL ROLLERS

Columbia Metal Rollers are manufactured of specially selected prime open-hearth tin-plate. The barrel is lock-seamed, doing away with sharp edges and giving the barrel strength and rigidity. Sagging or buckling of the rollers is prevented by this lock-seam, consisting of four plies of metal.

the pawls, which are of brass.

They are constructed throughout for heavy work and are provided with unusually powerful spring mechanisms. Awning roller brackets are sherardized and rust-proof.

All Columbia rollers are guaranteed against defects in materials and workmanship.

Brackets for metal rollers are of aluminum alloy. They are lighter, stronger, and of better appearance than the heavy cast-iron type.

Metal rollers are made in the following sizes: 1,  $1\frac{1}{4}$ ,  $1\frac{1}{2}$ ,  $1\frac{3}{4}$ ,  $2\frac{1}{4}$ , 3, 4, and 5 in. in diameter, and in length from 18 in. to 26 ft.

## COLUMBIA GALVANIZED AWNING ROLLERS

Columbia Awning Rollers are made with galvanized iron barrels. All other parts have a rust-proof, sherardized finish except

## STANDARD SPECIFICATION FOR WINDOW SHADES

Window Shade Specification for..... (name)  
Building ..... (address)

**General**—These specifications shall cover the manufacture and correct installation and operation of all window shades. Shades shall be made in a thoroughly workmanlike way, cut square and true, and mounted on rollers in the same manner, using suitable substantial fasteners. The materials used in the manufacture of these shades shall be commercially perfect and of first quality.

All shades shall be clean and free from dirt, finger marks, and other imperfections due to faulty handling. A complete shade shall be submitted with bid as a sample and will be held until job has been approved.

The contractor shall be responsible for any damage to the building, which is caused by him or his employees; he must also protect his work from damage until released by its final acceptance and must clear away all surplus material or scaffolding used in the erection of the shades.

**Cloth**—All shades shall be made of (Niagara, Washable-Waterproof), (Damasko Hevi-Duty Hand-made Unfilled Cambric), (Crescent Hand-made Unfilled Tinted Cambric), (Vellmo Light-proof Cloth), as manufactured by THE COLUMBIA MILLS, INC.

The above cloth to meet the following specifications:

Made of the best cambric muslin. Finished cloth shall be pliable, free from pinholes, and not subject to cracking when wrinkled or folded.

**Color**—Shall be..... (as selected)

**Length**—All shades shall be finished 12 in. longer than actual height of the window frame.

**Rollers**—All shades shall be mounted on Columbia Guaranteed Metal Rollers and shall be constructed with lock-seam reinforced barrels.

Alternate clause for wood rollers: All shades shall be mounted on

Columbia Guaranteed Wood Rollers constructed with rustproof nickel ends.

**Slats**—All shades shall be equipped with smooth, kiln-dried wooden slats of either  $\frac{7}{8}$  in. or  $1\frac{1}{4}$  in. in diameter as the conditions demand. Windows over 5 ft. in length shall be equipped with smooth, kiln-dried wooden 2-in. slats in hems.

**Eyelets**—All shades shall be equipped with stainless aluminum eyelet in center of hem for cord.

**Cord**—All shades to be equipped with No. (...) cord, same to match color of shades, and securely fastened in the center eyelet, allowing enough length to permit the shade to be drawn to the bottom of the window and rolled to the top without going over the roller and fastened 24 in. above the sill on the left side.

**Cord Holders**—Cord holders are to be installed 24 in. above the sill. To consist of Parker hollow metal screweyes in the event that the casings are of steel or other metal. On wood casings, Crampton cord holders are required.

**Brackets (for Metal Rollers)**—On steel or other metal casings, aluminum brackets are to be installed in the proper location at the top of the window, and are to be securely fastened in this location by the use of hollow metal or machine screws. In the event that the casings are of wood, brackets are to be fastened by means of brass wood screws.

**Brackets (for Wood Rollers)**—Brackets for wood rollers shall be stamped nickel-plated steel brackets fastened with brass wood screws if the castings are of wood. On steel or other metal casings, brackets shall be securely fastened either by use of machine or hollow metal screws.

**Delivery**—All shades shall be completed 30 days after receipt of contract or date agreed upon.

**Note**—This quotation covers labor, materials and all appliances herein specified above for the necessary installation and complete operation of the shades.

